Amendment and Response
Applicant: Dan Scott Johnson
Serial No.: 10/808,136
Filed: March 24, 2004
Docket No.: 200207099-1
Title: AUDIO/VIDEO COMPONENT NETWORKING SYSTEM AND METHOD

IN THE CLAIMS

Please cancel claims 8, 18, and 30-33 without prejudice.

Please add claims 34-39.

Please amend claims 1, 2, 12, 14, 17, 19, 26, and 29 as follows:

1.   (Currently Amended) An audio/video (A/V) component networking system, comprising:

a sink component adapted to be communicatively coupled between a source component and a presentation device for displaying A/V program data and an A/V menu data stream associated with the source component on the presentation device based on a user request transmitted from the sink component to the source component, ~~the sink component adapted to automatically select at lease one of a plurality of available types of communication networks for obtaining the A/V program data and the A/V menu data stream from the source component based on a type of the source component~~; and

a data manager adapted to identify related A/V program data and automatically transfer the A/V program data and the related A/V program data between a memory and an archival storage system based on a sequential relationship of the A/V program data and the related A/V program data, wherein an earlier of the A/V program data and the related A/V program data is stored in the memory, and a later of the A/V program data and the related A/V program data is stored in the archival storage system.

~~a data manager that automatically transfers the A/V program data between a memory and an archival storage system based on relationships between the A/V program data, the data manager automatically identifying related A/V program data based on header data or recordation time and automatically transferring the related A/V program data without the user request.~~

2.   (Currently Amended) The system of Claim 1, wherein the sink component is adapted to automatically change from ~~the~~ a selected type of communication network to another type of communication network based on a type of the source component or a type of the A/V program data.

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3.   (Original) The system of Claim 1, wherein the sink component comprises a registration module adapted to register a type of communication network for communication with the source component.

4.   (Original) The system of Claim 1, wherein the sink component comprises a registration module adapted to register the source component with the sink component.

5.   (Original) The system of Claim 1, wherein the sink component is adapted to present to the user a listing of the A/V program data available from the source component.

6.   (Original) The system of Claim 1, wherein the sink component comprises a registration module adapted to register the presentation device with the sink component.

7.   (Cancelled)

8.   (Cancelled)

9.   (Original) The system of Claim 1, wherein the sink component is adapted to present to the user on the presentation device a listing of the A/V program data available from the source component.

10.   (Original) The system of Claim 1, wherein the sink component is adapted to decode the A/V program data for presentation on the presentation device.

11.   (Original) The system of Claim 1, wherein the sink component is adapted to display to the user via the presentation device a menu interface associated with the source component.

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12.   (Currently Amended) An audio/video (A/V) component networking system, comprising:

means for transmitting, via a sink component communicatively coupled between a source component and a presentation device, A/V program data and an A/V menu data stream from the source component to the presentation device based on a user request transmitted from the sink component to the source component; and

means for identifying related A/V program data and automatically transferring the A/V program data and the related A/V program between a memory and an archival storage system based on a sequential relationship of the A/V program data and the related A/V program data, wherein an earlier of the A/V program data and the related A/V program data is stored in the memory, and a later of the A/V program data and the related A/V program data is stored in the archival storage system.

~~means disposed on the sink component for automatically selecting at least one of a plurality of available types of communication networks for communicating between the sink component and the source component based on a type of the source component; and~~

~~means for automatically transferring the A/V program data between a memory and an archival storage system based on relationships between the A/V program data, the means for automatically transferring including:~~

~~means for automatically identifying related A/V program data based on header data or recordation time; and~~

~~means for automatically transfers the related A/V program data without the user request.~~

13.   (Cancelled)

14.   (Currently Amended) The system of Claim 12, ~~wherein the selecting means comprises~~ further comprising means for automatically selecting at least one of a plurality of different types of communication networks for communicating between the sink component and the source component based on a type of the source component or a type of the A/V program data.

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15. (Original) The system of Claim 12, further comprising means for performing a registration operation to register each available type of communication network for communicating the source component.

16. (Original) The system of Claim 12, further comprising means for performing a registration operation to register the source component with the sink component.

17. (Currently Amended) An audio/video (A/V) networking method, comprising:

transmitting, via a sink component communicatively coupled between a source component and a presentation device, A/V program data and an A/V menu data stream from the source component to the presentation device based on a user request transmitted from the sink component to the source component;

~~automatically selecting at least one of a plurality of available types of communication networks for communicating between the sink component and the source component based on a type of the A/V program data~~; and

identifying related A/V program data and automatically transferring the A/V program data and the related A/V program between a memory and an archival storage system based on a sequential relationship of the A/V program data and the related A/V program data, wherein an earlier of the A/V program data and the related A/V program data is stored in the memory, and a later of the A/V program data and the related A/V program data is stored in the archival storage system.

~~automatically transferring the A/V program data between a memory and an archival storage system based on relationships between the A/V program data, including automatically identifying related A/V program data based on header data or recordation time and automatically transferring the related A/V program data without the user request.~~

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18.   (Cancelled)

19.   (Currently Amended) The method of Claim 17, further comprising automatically changing from ~~the~~ a selected type communication network to another type of communication network for communicating between the sink component and the source component based on a type of the source component or a type of the A/V program data.

20.   (Cancelled)

21.   (Original) The method of Claim 17, further comprising automatically registering at least one of a plurality of different types of communication networks with the sink component.

22.   (Original) The method of Claim 17, further comprising filtering a listing of the A/V program data available from the source component based on a format of the A/V program data.

23.   (Original) The method of Claim 17, further comprising filtering a listing of the A/V program data available from the source component based on a type of the presentation device.

24.   (Original) The method of Claim 17, further comprising decoding the A/V program data for presentation on the presentation device.

25.   (Original) The method of Claim 17, further comprising displaying a menu interface associated with the source component.

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26. (Currently Amended) An audio/video (A/V) component networking system, comprising:

a sink component configured to be communicatively coupled between a plurality of source components and a presentation device for displaying an aggregated listing of available A/V program data associated with the plurality of source components on the presentation device such that the location of the A/V program data remains transparent to the user; and

a data manager adapted to automatically transfer the available A/V program data between a memory and an archival storage system based on a sequential relationship of the available A/V program data, wherein earlier A/V program data is stored in the memory and later A/V program data is stored in the archival storage system.

~~a data manager that automatically transfers the available A/V program data between a memory and an archival storage system based on relationships between the available A/V program data, the data manager automatically identifying related A/V program data based on header data or recordation time and automatically transferring the related A/V program data without the user request.~~

27. (Previously Presented) The system of Claim 26, wherein the sink component is configured to automatically switch from a first type of communication network to a second type of communication network based on a signal condition on the first type of communication network.

28. (Previously Presented) The system of Claim 26, wherein the sink component is configured to automatically switch from a first type communication network to a second type of communication network based on a change in the A/V program data being transmitted from the source component.

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29.   (Currently Amended) An audio/video (A/V) component networking system, comprising:

a sink component configured to be communicatively coupled between a source component and a presentation device for displaying A/V program data associated with the source component on the presentation device based on a user request transmitted from the sink component to the source component~~, the sink component configured to automatically select from at lease two different types of communication networks for transferring the A/V program data from the source component based on a type of A/V program data desired from the source component~~; and

a data manager adapted to automatically transfer the A/V program data between a memory and an archival storage system based on presentation of the A/V program data to a user, wherein, upon presentation of requested A/V program data to a user, the data manager is adapted to extract related A/V program data from the archival storage system and store the related A/V program data in the memory.

~~a data manager that automatically transfers the A/V program data between a memory and an archival storage system based on relationships between the A/V program data, the data manager automatically identifying related A/V program data based on header data or recordation time and automatically transferring the related A/V program data without the user request.~~

30-33. (Cancelled)

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34.   (New) The system of Claim 1, wherein the sequential relationship of the A/V program data and the related A/V program data is based on a recordation time or receipt time of the A/V program data and the related A/V program data.

35.   (New) The system of Claim 1, wherein the sequential relationship of the A/V program data and the related A/V program data is based on a presentation time of the A/V program data and the related A/V program data to a user.

36.   (New) The system of Claim 1, wherein, upon presentation of the A/V program data to a user, the data manager is adapted to extract next sequential A/V program data from the archival storage system and store the next sequential A/V program data in the memory.

37.   (New) The method Claim 17, wherein the sequential relationship of the A/V program data and the related A/V program data is based on a recordation time or receipt time of the A/V program data and the related A/V program data.

38.   (New) The method Claim 17, wherein the sequential relationship of the A/V program data and the related A/V program data is based on a presentation time of the A/V program data and the related A/V program data to a user.

39.   (New) The method Claim 17, further comprising, upon presentation of the A/V program data to a user, extracting next sequential A/V program data from the archival storage system and storing the next sequential A/V program data in the memory.